AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method comprising:

> monitoring one or more sensor outputs <u>measuring</u> ~~of a sensor, the sensor to measure~~ a power consumption property of ~~the~~ <u>a</u> chip~~, and each sensor output to indicate a measurement of the power consumption property~~; and

> recording a time that <u>at least one</u> ~~each~~ of the ~~one or more~~ sensor outputs indicates an existence of the power consumption property at a <u>predetermined value.</u> ~~corresponding measurement.~~

2. (Original) The method of claim 1, wherein the power consumption property of the chip comprises temperature, and the temperature comprises a temperature range including one or more temperatures.

3. (Original) The method of claim 2, wherein each sensor output corresponds to a temperature range, and indicates the existence of the one or more temperatures measured at the corresponding sensor output.

4. (Original) The method of claim 1, wherein the power consumption property of the chip comprises voltage drop, and the voltage drop range includes one or more voltage drops.

5.   (Original) The method of claim 4, wherein each sensor output corresponds to a voltage drop range, and each sensor output indicates the existence of a voltage drop measured at the corresponding output.

6.   (Currently Amended) A method <u>for analyzing operation of a system executing an application,</u> comprising:

> obtaining event data, the event data including <u>times</u> a time that ~~each of~~ one or more sensor outputs indicates an existence of a power consumption property <u>of a chip</u> at a <u>predetermined value;</u> ~~corresponding measurement;~~

> monitoring one or more parts of [[an]] <u>the</u> application; and

> for at least one of the ~~one or more~~ parts of the application, correlating the event data with the ~~at least one of the one or more~~ parts of the application.

7.   (Original) The method of claim 6, wherein the power consumption property comprises temperature.

8.   (Original) The method of claim 6, wherein the power consumption property comprises voltage drop.

9.   (Currently Amended) An apparatus <u>for analyzing operation of a system executing an application,</u> comprising:

> circuitry capable of:

>> obtaining event data, the event data including <u>times</u> a time that ~~each of~~ one or more sensor outputs indicates an existence

of a power consumption property <u>of a chip</u> at a

<u>predetermined value;</u> ~~corresponding measurement;~~

monitoring one or more parts of [[an]] <u>the</u> application; and

for at least one of the ~~one or more~~ parts of the application,

correlating the event data with the ~~at least one of the one or~~

~~more~~ parts of the application.

10.   (Original) The apparatus of claim 9, wherein the power consumption property of the chip comprises temperature, and the temperature comprises a temperature range including one or more temperatures.

11.   (Original) The apparatus of claim 10, wherein each sensor output corresponds to a temperature range, and indicates the existence of the one or more temperatures measured at the corresponding sensor output.

12.   (Original) The apparatus of claim 9, wherein the power consumption property of the chip comprises voltage drop, and the voltage drop comprises a voltage drop range including one or more voltage drops.

13.   (Original) The apparatus of claim 12, wherein each sensor output corresponds to a voltage drop range, and each sensor output indicates the existence of a voltage drop measured at the corresponding output.

14.   (Currently Amended) A system <u>for analyzing operation of a system executing an application,</u> comprising:

circuitry on a first node, the circuitry connected to ~~the~~ <u>a</u> chip and capable of:

obtaining event data, the event data including <u>times</u> <s>a time</s> that
each of one or more sensor outputs indicates an existence
of a power consumption property <u>of the chip</u> at a
<u>predetermined value;</u> <s>corresponding measurement;</s>

monitoring one or more parts of [[an]] <u>the</u> application; and

for at least one of the <s>one or more</s> parts of the application,
correlating the event data with the <s>at least one of the one or</s>
<s>more</s> parts of the application; and

a performance analyzer on a second node, the performance analyzer
communicatively coupled to the circuitry on the first node to use the
correlated information.

15. (Currently Amended) The system of claim 14, wherein the power consumption
property of the chip comprises temperature, and <u>the temperature comprises a</u>
<s>wherein the</s> temperature range <u>including</u> <s>includes</s> one or more temperatures.

16. (Original) The system of claim 15, wherein each sensor output corresponds to a
temperature range, and indicates the existence of the one or more temperatures
measured at the corresponding sensor output.

17. (Original) The system of claim 14, wherein the power consumption property of
the chip comprises voltage drop, and wherein the voltage drop range includes
one or more voltage drops.

18. (Original) The system of claim 17, wherein each sensor output corresponds to a
voltage drop range, and each sensor output indicates the existence of a voltage
drop measured at the corresponding output.

19. (Currently Amended) An article comprising a machine-readable medium having machine-accessible instructions, the instructions when executed by a machine, result in the following:

   obtaining event data, the event data including times a time that each of one or more sensor outputs indicates an existence of a power consumption property of a chip at a predetermined value; corresponding measurement;

   monitoring one or more parts of [[an]] the application; and

   for at least one of the one or more parts of the application, correlating the event data with the at least one of the one or more parts of the application.

20. (Original) The article of claim 19, wherein the power consumption property of the chip comprises a temperature range, and wherein the temperature range includes one or more temperatures.

21. (Original) The article of claim 20, wherein each sensor output corresponds to a temperature range, and indicates the existence of the one or more temperatures measured at the corresponding sensor output.

22. (Original) The article of claim 19, wherein the power consumption property of the chip comprises voltage drop range, and wherein the voltage drop range includes one or more voltage drops.

23.   (Original) The article of claim 22, wherein each sensor output corresponds to a voltage drop range, and each sensor output indicates the existence of a voltage drop measured at the corresponding output.